

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [3206] 30 meters in contest?
Message-ID: <v01510101ac7df8f80f7e@[132.235.72.11]>

Gang,

Is it ok to use 30 meters in the contest?
Pse post to group!

```
*****
*      NN      N  SSSSS  888888  00000  Greg Weinfurtner AEE BSS *
*      N N      N  S      8      8  0    0  Electronic Design Splst *
*      N N      N  SSSSS  888888  0    0    Ohio University Athens *
*      N      N N      S  8      8  0    0                                *
*      N      NN  SSSSS  888888  00000                                *
*
*                                     Canst thou send lightnings *
*      Amateur Radio NS80          that they may go and say      *
*                                     unto thee, 'Here we are'?    *
*      weinfurtner@ouvaxa.cats.ohiou.edu          Job 38:35 *
*****
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From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: groverc@gvgadg.gvg.TEK.COM (Grover Cleveland)
Subject: [3207] AN/GRC-109
Message-ID: <9509141814.AA10758@gvgadg.gvg.tek.com>

Regarding the above radio set, I bought the entire package last year since I had an interest in "spy" radios at the time. The set is quite interesting with a multi-voltage AC power supply, an adequate receiver that is quite a nice thing to look at, and a transmitter that includes a key built into the top. Also available was a 6VDC power supply, which I did not purchase.

These radios look to be in near new condx, are not very large although a bit heavy, and are enclosed in waterproof cases (for beach landings I suppose) The vintage is mid-fifties - mine had an overhaul tag from 1981. The receiver covers 3 - 24 MHz in three bands. The contractor was Admiral but I seem to recall the chassis in the receiver was stamped "Hammarlund".

The transmitter is xtal controlled and will cover the same range as the receiver plus a bit more. The output network seems to be capable of matching everything including the fabled "wet noodle". Output is about 15 watts with QSK of a sort.

I've used mine for a few contacts on 40 and 30 meters, but now that I acquired some other equipment I'd be willing to part with this set for a lot less than you can get it from Fair Radio. Gimme a shout.

073

Grover
WT6P

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3218] Antenna System Found
Message-ID: <199509151308.0AA05919@chuck.dallas.sgi.com>

Gang,

I got back after two weeks roaming the countrysides of Germany and Switzerland. I had so much mail backed up you wouldn't believe and I had unsubscribed to the group. Got the archives so I'm working my way through. :-) I also got a couple of items to get in the mail that weren't received on the other end, so if you are one of those people, hang tight. Email to follow to appropriate parties involved.

I apologize to several people that I thought I would get to visit, but I was headed to Davos, Switzerland and a train derailment threw off the schedule. Interesting adventure.

Anyway, I found the QRPers dream antenna somewhere near Augsburg, Germany. Someone said that the US government built it. About 200 meters in diameter or more (I was on bus at the time I saw it and didn't get to get a picture) and about 25 meters high. An array of verticals on the outside.

Anyone have any ideas. I want the plans so that I can build one. :-)
Wouldn't be an Over the Horizon Radar would it?

I didn't take a laptop, rig, or anything but one German book and "Mathematical Techniques for Physicists", so I really missed the group and the on the air work. So first thing this morning was to work a new one on 30M.

Let me catch up on stuff before Monday and work the contest Saturday with the NorTex group before bombarding me with stuff. Please. I'm on vacation another five weeks, so I can catch up so that I can go back to work. :-)

The FoxHunt on 40M will start first week in Oct, so you better be working on your antenna systems and rigs for 40M. It will be fun. Announce to be posted on Monday. Schedule won't be out til the end of next week.

It will take me another day or so to get my English back (to whatever level I had before I left). :-)

Danke und Auf Wiedersehen,

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: bobhigh@primenet.com (Bob Hightower)
Subject: [3208] FS QRP+
Message-ID: <199509140002.RAA03048@usr3.primenet.com>

As much as I hate to do it, I must offer my Index Labs QRP+ for sale. With mike, sn 0624, \$525 shipped. Please e-mail me direct if interested.

Bob KI7MN

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [3213] K3TKS is wired
Message-ID: <1995Sep14.221349.5646@abs.net>

We have a newcomer to the e-mail world, George "Danny" Gingell, K3TKS of Silver Spring, MD. He just signed up on the system that I use, and his address is k3tks@bbs.abs.net. Danny is a longtime member of QRP ARCI and GQRP and several hundred other QRP Clubs (or so it seems). He's also on the BoD of the QRP ARCI and the QRP ARCI Nets Manager, as well as Maryland Milliwatt #1 (I'm #2). I just told him how to

subscribe to the list, so you should start hearing from him shortly. With his appearance online, I believe we now have 100% of the QRP ARCI power structure and QRP Quarterly staff online, with the possible exception of WB9TBU--last week she told me she was going to try and log onto her account over the weekend and see if it was still active or if the college had cancelled it due to lack-o-use :-)

Obligatory QRP Content: N8ET tells me that someone has beaten me and WG3R to the punch in Phase II of the DB-25 Challenge. Phase II is the project of putting a rig (TX, RX or XCVR) in a fuse box, and Bill tells me someone has done that with a surface mount Pixie! I will always consider the Pixie to be a shining example of a "toy radio", but at least it IS a transceiver, and putting ANYTHING in the box is an accomplishment to be proud of! Film at 11....

73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ abs.net

E-Mail: Mike.Czuhajewski@bbs.abs.net

The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA

Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995

From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)

Subject: [3205] Mystery of Lead Acid Battery Self-Discharge Solved

Message-ID: <v01510100ac7df890f70c@[132.235.72.11]>

Hi all,

Read this letter in the Oct Electronics Now and thought it would be of general interest to our group. I scanned it in and the author is listed at the end of the article!

Here it is:

I have read about several solutions to the problem of self discharge of a lead-acid battery when it is stored on a cold concrete surface in this column ("Q&A," Electronics Note, April 1995). All of them are wrong! The solution to the problem is a simple method for circulating the electrolyte. My knowledge of battery self discharge under the conditions discussed in the article is based on several years of work with submarine storage batteries.

Self discharge of batteries is caused by temperature gradients in the battery electrolyte and is called electrolyte stratification. When a battery is stored on a cold surface, the lower parts of the cells are cooled to a temperature that is lower than the upper parts. That temperature differential causes a drop of the specific gravity of the

cooler part of the cells at the rate of 0.004 points of gravity per 100=B0 F of temperature change above or below 80=B0 F. The voltage produced by a cel=1

is proportional to the specific gravity of the electrolyte. This difference of specific gravity between the top and bottom of a cell results in a potential difference that is proportional to the specific gravities of the two parts of the cell.

An electrical current will flow between any differences in electrical potentials, so a current will circulate through the cell plates from the top to the bottom of the cell. Those currents will persist as long as a temperature differential exists, and they can be enough to discharge the battery over time, as if it were connected to a constant load. Devices called percolator tubes inside the cells controlled that condition in submarine storage batteries (where the steel hull immersed in ocean water provides a massive heatsink). A stream of air bubbles passed through the percolator tubes circulated electrolyte from the bottom to the top of the cells, maintaining constant specific gravity of the electrolyte.

=46ARNHAM M. CORNIA Toledo, WA

Sounds like he hit it on the nose!

73 de

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*****
*      NN      N SSSSS 888888 00000  Greg Weinfurtner AEE BSS *
*      N N      N S      8      8 0 0  Electronic Design Splst *
*      N N      N SSSSS 888888 0 0  Ohio University Athens *
*      N      N N      S 8      8 0 0 *
*      N      NN SSSSS 888888 00000 *
*
*                                     Canst thou send lightnings *
*      Amateur Radio NS80           that they may go and say *
*                                     unto thee, 'Here we are'? *
*      weinfurtner@ouvaxa.cats.ohiou.edu Job 38:35 *
*****
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From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: Stan Skelton <sskelton@cln.etc.bc.ca>
Subject: [3204] QRP & tubes (a "sub" qrp group?)
Message-ID: <Pine.3.89.9509140817.B8857-01000000@sparky>

Hi allthere has been a lot of interest in my inquirey about a couple of "tube" rigs for qrp work...maybe if all of us "glow in the dark" qrpers could "batch" our e-mail addresses it would make it easier to pass

along info....Let me know if you are interested...
73's Stan...VE7SKT

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: "Steven Karty" <kartys@ncr.disa.mil>
Subject: [3210] Review of Three Popular QRP Kits
Message-ID: <9508148111.AA811122224@ncr.disa.mil>

I just finished reading the "Review of Three Popular QRP Kits" on pages 40 and 41 of the July 1995 issue of the "QRP Quarterly." The author mentions that the audio output level from the "Explorer" (by Oak Hills Research) is inadequate to drive a speaker, but that the "NW80/20" (by Dan's Small Parts) will produce ear splitting speaker volume. Since I have an "Explorer," I would like to modify it to increase its audio output level.

A schematic diagrams of the "NW80/20" is shown on pages 52 and 53 of the September 1994 issue of QRPp, the Journal of the Northern California (NorCal) QRP Club. Comparing that schematic diagram to the schematic diagram for the "Explorer" shows so many similarities that I don't understand why there is any difference in their audio output levels. Can anyone out there give me some hints?

Thanks,

Steven Karty N4UHO
kartys@ncr.disa.mil

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: ptay1@pipeline.com (Paul Taylor)
Subject: [3211] Sale dc reciever
Message-ID: <199509150003.UAA21689@pipe6.nyc.pipeline.com>

I have a 20m dc receiver originally for ssb but used by me for cw.
sensitivity is great. Selectivity needs op amp filter \$35.00 postpaid
Paul wb2gin

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995

From: Rarland@Microserve.com (Rarland)
Subject: [3212] Ten-Tec Model 315 Receiver for sale
Message-ID: <9509150123.AA05804@dungeon.Microserve.Net>

For Sale: Ten-Tec Model 315 Receiver. Excellent + condition. Original knobs, new dial & dial cord, manual. Works great. Very sensitive, listened to RS-15 downlink telemetry 2 nights ago on 29.3 MHz with an S-4 signal. \$150.00 firm. Styled like the T-T Argonaut 505/509.....same size, color and knobs.

Also have a Model 200 VFO. Excellent condition with original knobs. Works well. \$50.00 firm. (Covers 80/40/20/15/10 meters)

These two pieces are truly collector quality. All original. No mods what so ever. Both have manuals. These two units go with the T-T TX-100 transmitter (circa 1969-70).
Leave e-mail or call (717) 825-5395.

73 rich

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: Jeffrey Herman <jeffrey@math.hawaii.edu>
Subject: [3214] Tube QRP mail list (fwd)
Message-ID: <Pine.SUN.3.91.950914163518.26556B-100000@kahuna>

Subject: Tube QRP mail list

There's talk from the scuttle butt of the creation of a QRP/Tube mail list - sort of a marriage of the two sister lists QRP and Boatanchors. At first hearing one might think this action is unnecessary, but considering that the QRP list only works with semiconductors, and the BA list seems devoted mostly to commercially-built rigs, maybe a forum dedicated to homebrewing low-power tube rigs seems reasonable.

Stay tuned for future announcements. (Okay, whose got a site available with Listproc or MajorDomo?)

73 from Hawaii,
Jeff NH6IL

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995

From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)
Subject: [3203] W1AW-QRP+TROUBLE FAX
Message-ID: <199509141428.KAA22483@dartvax.dartmouth.edu>

Hi Gang,
I have sent the Index Labs mod diagram to all who requested it. Some went out last night and some went out this morning.

FYI: This mod is to move the coax braid from one location to another on the local oscillator board. The original trouble was that W1AW was spilling over at regular intervals on 80 meters. The mod helped immensely but is not the whole answer to the problem. There is now 2 very large birdies in the rig. One is on 80 and the loudest (s3) is on 40m.

Let me know how you make out doing this mod, and please count your birdies and record their signal level before and after the mod. Bruce at Index is very interested in this fix and wants to make it right, eliminating the birdies.

If we have similar problems after the mod, let me know and I'll compile a list of what you found and send it to him.

de AA1IK (Lead by example, It is much easier)
(to pull a string than it is to push it.)
Ernie Gregoire ()
Canaan, NH. ()
(_____)

e-mail : GREGOIRE@VALLEY.NET
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: bh719@freenet.HSC.Colorado.EDU (Patrick Cook)
Subject: [3216] Re: 30 meters in contest?
Message-ID: <199509150521.XAA24241@Freenet.UCHSC.EDU>

Hello all:

Just a test message. Please ignore. 72/73's for now, my friends!

DE KB00XD

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: w9sz@prairienet.org (Zack Widup)
Subject: [3219] Re: Antenna System Found
Message-ID: <199509151340.IAA02783@firefly.prairienet.org>

>
>
>Anyway, I found the QRPers dream antenna somewhere near
>Augsburg, Germany. Someone said that the US government built
>it. About 200 meters in diameter or more (I was on bus at
>the time I saw it and didn't get to get a picture) and about
>25 meters high. An array of verticals on the outside.
>
>Anyone have any ideas. I want the plans so that I can build one. :-)
>Wouldn't be an Over the Horizon Radar would it?
>

Guten Tag Chuck,

Ich denke... um ... I think what you saw is a Wullenweber array.
The U.S. Govt. had several of them up around the world once, the one I
knew about was in Spain. We have one here outside Champaign about 10 miles.
It's usually referred to as the "elephant cage."

The Wullenweber array consists of a number of vertical wires in a
circle (supported by poles) which supply a groundplane for a number of
vertical antennas in front of that. It is usually used for receiving
only, and is a direction-finding array. The one here is 1000 feet in
diameter.

With a goniometer in the center (the one used here is 5 feet in
diameter and has 120 BNC connectors around the edge, it has a spinning
wheel inside and samples each of the 120 antennas several times a second)
computer sampling and digital signal processing can form a beam on HF as
narrow as 1 degree or less!

I suppose it is possible to transmit with one; the last
experience I had with the one here was 10 years ago. At that time it was
used only for receiving.

Let me know if that is what you saw! They ARE quite impressive
structures!

72, Zack W9SZ

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995

From: aa7qy@primenet.com (Roger Hightower)
Subject: [3217] Re: Mystery of Lead Acid Battery Self-Discharge Solved
Message-ID: <199509141854.LAA21410@usr3.primenet.com>

At 11:21 AM 9/14/95 EDT, Greg Weinfurtner wrote:
(text deleted)

> Self discharge of batteries is caused by temperature gradients in
>the battery electrolyte and is called electrolyte stratification. When a
>battery is stored on a cold surface, the lower parts of the cells are
>cooled to a temperature that is lower than the upper parts.

I've always stored my batteries up on 2"x2"x6" blocks to keep them off
the concrete. Seems to work, and it allows air circulation around the
battery case.

72, de Roger, AA7QY

From qrp-l@lehigh.edu Fri Sep 15 10:06:00 1995
From: Steve.hideg.1@nd.edu (Steve Hideg)
Subject: [3209] Re: QRP-L Logos
Message-ID: <v02130512ac7e5eae5713@[129.74.35.16]>

The three current entries for the QRP-L logo can be viewed on the QRP-L
Resource Page:

<http://qrp.cc.nd.edu>

I've noticed that many people are already looking at them.

Even if you don't submit an entry, you may have some ideas of a logo that
could be implemented by someone else. I'm sure that even the designs
submitted are not hard-and-fast, and the artists would be flexible and open
to suggestions.

Check them out.

--Steve

Steve Hideg Macintosh Consultant/Analyst

Office of University Computing Telephone: (219) 631-EXAM

G034 Computing Center/Math Building E-mail: Steve.Hideg.1@nd.edu
University of Notre Dame URL: <http://www.nd.edu/~shideg/>
Notre Dame, IN 46556 Ham Radio: N8HSC/9

The road to Enlightenment is long and difficult.
(So bring snacks and a magazine.)

From qrp-1@lehigh.edu Fri Sep 15 10:06:00 1995
From: GREGOIRE@valley.net (ERNEST GREGOIRE)
Subject: [3215] Re: W1AW-QRP+TROUBLE FAX
Message-ID: <199509141603.MAA16703@dartvax.dartmouth.edu>

Hello Brien,
Yes I do like the QRP+. I think that it is the best rig on the market of it's type, for the money. The radio is not without it's peculiarities. As with any first generation radio, there are some things that crop up as more and more folks use them. I think of myself as a pioneer in QRP, and have been working with Bruce to find and fix the "Personality traits", of this rig. And this radio does have some personality. I will send my rig back to Gig Harbor for the cw keyer modification, and while it's there I will ask Bruce to check into the birdie trouble. These are not big problems, and I am very satisfied with the radio on the whole.

Satisfaction is a personal thing. Some folks want a Cadillac for the price of a Pinto, and will not be satisfied at all. Others will pay the Cadillac price to get one.

This rig is not a Yeasu 1000, however it is more than basic transportation too. It has some nice features "For it's price".

Bruce is waiting for some more feed back on the W1AW trouble. The sooner we give it to him the faster it will become a part of the "Off the shelf", radios in the future.

73 de AA1IK
Ernie

<SNIP>

>So, has Bruce incorporated the fix in recent production or is he still
>waiting to compile a list of fixes to start to incorporate?
>>If necessary, I would like the fixes from you since it looks like I am

>going to go into the group buy. Do you like the rig? I am hesitating a
>wee bit now, since the price went up, but also since I have seen about 4
>for sale on the list recently - I wonder WHY??? since they laid the money
>out are they trying to retreat from a mistake or what ???
>

>72

>

>Brien Pepperdine

>VE3VAW

>Toronto

>

>pepperb@gov.on.ca

>

de AA1IK	(Lead by example, It is much easier)
	(to pull a string than it is to push it.)
Ernie Gregoire	()
Canaan, NH.	()
	(_____)

e-mail : GREGOIRE@VALLEY.NET

packet : AA1IK@WA1WOK.FN43FE.NH.USA